



(57)Abstract:

PURPOSE: To protect a signal line positively against cross talk of signal flowing through other signal line even when inner conductors to be connected with a plurality of signal lines are provided at higher density.

CONSTITUTION: The multilayer capacitor array is a laminate of square dielectric sheets 10, 20, where the sheet 10 is provided, on the surface thereof, with a plurality of inner conductors 11 formed at intervals while being connected with one side thereof but insulated electrically from the opposite side, and first ground conductors 12 formed between the inner conductors 11 while being connected with the opposite side but insulated electrically from the one side. The sheet 20 is provided, on the surface thereof, with second ground conductors 21 connected with the side corresponding to the one side connected with the first ground conductor 12 but insulated from another opposing side. A capacitance is formed between the inner conductor and the second ground conductor 21 through the sheet 20. A signal electrode to be connected with the inner electrode 11 and a ground electrode to be connected with the ground conductor 21 are formed independently on the opposing side faces of the laminate.

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(71)Applicant : **MITSUBISHI MATERIALS CORP**

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(72)Inventor : **SHIMURA MASARU
WADA HIDEAKI**

(54) LAMINATED CAPACITOR ARRAY WITH VARISTOR FUNCTION